CRT PRO SCANNER - COMPREHENSIVE USER GUIDE

Professional Trading Scanner by HeliosTechnologies

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OVERVIEW

The **CRT Pro Scanner** is a professional multi-instrument trading scanner that monitors up to 10 currency pairs simultaneously for **Candle Range Theory (CRT)** patterns. This advanced tool automatically detects high-probability trading opportunities across multiple timeframes and provides clear entry, stop-loss, and take-profit levels.

Key Features:

- **Multi-Instrument Monitoring**: Scan up to 10 forex pairs simultaneously
- **Single Signal Mode**: Prioritizes the strongest signal to avoid conflicting trades
- **Real-Time Updates**: Continuous scanning with 5-second refresh intervals
- **Professional Dashboard**: Clean, organized display with color-coded signals
- **Trading Session Awareness**: Highlights active trading sessions for better timing
- **Chart Visualization**: Overlays CRT levels directly on your current chart
- **Alert System**: Audio and push notification alerts for new signals
- **Risk Management**: Automatic calculation of entry, stop-loss, and take-profit levels

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🔧 INSTALLATION & SETUP

Installation Steps:

1. **Download** the CRT Pro Scanner.mq5 file
2. **Copy** the file to your MetaTrader 5 indicators folder:
    - `MT5 Data Folder/MQL5/Indicators/`
3. **Restart** MetaTrader 5
4. **Attach** the indicator to any chart (timeframe doesn't matter for the scanner)

Initial Configuration:

1. Open the **Inputs** tab when attaching the indicator
2. Configure your preferred symbols in the "Symbols to Monitor" field
3. Set your desired timeframe (recommended: H4 or H1)
4. Adjust refresh rate (default: 5 seconds)
5. Enable/disable alerts and notifications as needed
6. Click **OK** to start scanning

📚 UNDERSTANDING CANDLE RANGE THEORY (CRT)

Candle Range Theory is a price action methodology that identifies institutional trading patterns through three distinct phases:

The Three Stages:

1. ACCUMULATION (Range Formation)

- **What it is**: Smart money quietly accumulates positions within a defined price range
- **Characteristics**: Price consolidates between support and resistance levels
- **Duration**: Can last several bars to days
- **What to expect**: Sideways movement with low volatility

2. MANIPULATION (Range Break)

- **What it is**: Institutional traders "fake out" retail traders by breaking the range
- **Characteristics**: Price breaks above or below the established range
- **Purpose**: Trigger stop-losses and entice retail traders into bad positions
- **Duration**: Usually 1-3 bars, quick and decisive

3. DISTRIBUTION (Return to Range)

- **What it is**: Price returns to the original range for the real institutional move
- **Characteristics**: Price re-enters the range after the manipulation
- **Opportunity**: This is where the high-probability trade setup occurs
- **Direction**: Opposite to the manipulation break

Why CRT Works:

- **Institutional Behavior**: Based on how large institutions actually trade
- **Liquidity Hunting**: Exploits retail trader psychology and stop-loss placement
- **High Probability**: Only trades setups with clear institutional footprints
- **Risk/Reward**: Excellent risk-to-reward ratios due to clear levels

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📄 DASHBOARD INTERFACE

The CRT Pro Scanner displays a comprehensive dashboard with the following sections:

Header Section:

- **Title**: "CRT PRO SCANNER - HELIOS TECHNOLOGIES"
- **Active Session**: Shows current trading session (London, New York, etc.)
- **Refresh Button**: Manual refresh option (↻ Refresh)

Main Data Table:

Column	Description	What It Shows
Symbol	Currency Pair	Clickable buttons to switch charts
Stage	Current CRT Stage	Scanning → Range Form → Manipulation → Distribution
Direction	Signal Direction	▲ BULL (bullish) / ▼ BEAR (bearish)
Entry	Entry Price Level	Precise price level to enter the trade
SL	Stop Loss Level	Where to place your stop loss
TP	Take Profit Level	Target profit level (based on risk:reward ratio)
Strength	Signal Quality	Percentage strength (0-100%)

Column	Description	What It Shows
Bars	Time in Range	How many bars the range has been forming
Action	What to Do	Clear instruction for each symbol

Action Column Meanings:

- 🔥 **EXECUTE BUY/SELL**: Active signal ready for immediate execution
- ⏳ **Signal Queued**: Valid signal waiting (in single signal mode)
- ⚡ **Preparing...**: Manipulation detected, distribution pending
- 👀 **Range Forming**: Accumulation phase in progress
- 🔍 **Scanning...**: No pattern detected, monitoring for setups

Color Coding:

- **Blue (Bullish)**: Buy signals and bullish bias
- **Red (Bearish)**: Sell signals and bearish bias
- **Yellow**: Alerts, mid-range levels, preparing signals
- **Green**: Active signals, distribution stage
- **Gray**: Neutral, scanning, or inactive states
- **Orange**: Queued signals, manipulation stage

Footer Information:

- **Legend**: Color explanations for quick reference
- **Single Signal Mode**: Indicator when only one signal is active
- **Copyright**: HeliosTechnologies contact information

📊 SIGNAL STAGES EXPLAINED

Stage 0: SCANNING

- **Status**: "🔍 Scanning..."
- **What's Happening**: The scanner is analyzing price action for potential range formation
- **Action Required**: None - monitor and wait
- **Duration**: Ongoing until a range is detected

Stage 1: RANGE FORMATION

- **Status**: "👀 Range Forming"

- **What's Happening**: A consolidation range has been identified
- **Requirements**:
    - At least 60% of recent bars within the range
    - Minimum range size of 20 pips
    - Maximum range size to avoid choppy markets
- **Action Required**: Monitor for manipulation break
- **Duration**: Can last several hours to days

Stage 2: MANIPULATION

- **Status**: "⚡ Preparing..."
- **What's Happening**: Price has broken the range (manipulation phase)
- **Bullish Manipulation**: Price breaks below range low (fake bearish move)
- **Bearish Manipulation**: Price breaks above range high (fake bullish move)
- **Action Required**: Prepare for distribution entry
- **Duration**: Usually 1-10 bars

Stage 3: DISTRIBUTION

- **Status**: "🔥 EXECUTE BUY/SELL" (if active) or "⏳ Signal Queued"
- **What's Happening**: Price has returned to the range - trade setup is ready
- **Signal Type**:
    - **BUY Signal**: After bullish manipulation (break below, return to range)
    - **SELL Signal**: After bearish manipulation (break above, return to range)
- **Action Required**: Execute the trade with provided levels
- **Duration**: Signal remains valid for limited time (15 bars max)

📈 TRADING METHODOLOGY

How to Trade CRT Signals:

1. Signal Identification

- Wait for Stage 3 (Distribution) with 🔥 **EXECUTE** action
- Verify signal strength is above 60% (preferably 80%+)
- Confirm you're trading during active market sessions
- Check that the signal direction aligns with your market bias

2. Trade Execution

- **Entry**: Use the exact price shown in the "Entry" column
- **Stop Loss**: Place SL at the level shown in the "SL" column
- **Take Profit**: Set TP at the level shown in the "TP" column

- **Position Size**: Calculate based on your risk management rules

3. Entry Methods

Method A: Immediate Entry

- Enter at current market price when signal shows 🔥 **EXECUTE**
- Best for strong signals (80%+ strength) during active sessions

Method B: Limit Order Entry

- Place limit order at the exact "Entry" price level
- More precise but may miss fast-moving markets
- Good for lower strength signals (60-80%)

Method C: Pullback Entry

- Wait for price to pullback closer to range mid-point
- Enter when price action confirms the direction
- Most conservative approach

4. Trade Management

- **Never move stop loss against you**
- **Consider partial profits at 1:1 risk-reward**
- **Trail stop loss only after reaching 1:1**
- **Exit immediately if CRT structure breaks**

Risk Management Rules:

- **Maximum Risk**: 1-2% of account per trade
- **Position Sizing**: Based on SL distance from entry
- **Correlation Check**: Avoid multiple trades on correlated pairs
- **Session Timing**: Prefer London and New York sessions
- **Market Conditions**: Avoid trading during major news events

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⚙ SETTINGS & CUSTOMIZATION

Scanner Settings:

Symbols to Monitor

- **Default**: "EURUSD,GBPUSD,USDJPY,USDCHF,AUDUSD,USDCAD,NZDUSD,EURGBP,EURJPY,GBPJPY"
- **Format**: Comma-separated list (no spaces)
- **Maximum**: 10 symbols recommended for optimal performance
- **Custom Pairs**: Add any forex pair available in your broker

CRT Timeframe

- **Recommended**: H4 (4-hour) for best signals
- **Alternative**: H1 (1-hour) for more frequent signals
- **Higher Timeframes**: Daily for longer-term trades
- **Lower Timeframes**: Not recommended (too much noise)

Refresh Rate

- **Default**: 5 seconds
- **Range**: 1-60 seconds
- **Performance**: Lower values = more CPU usage
- **Recommendation**: 5-10 seconds for optimal balance

Risk:Reward Ratio

- **Default**: 2.0 (1:2 risk-reward)
- **Range**: 1.0-5.0
- **Conservative**: 1.5-2.0
- **Aggressive**: 2.5-3.0

Single Signal Mode

- **Enabled**: Only one active signal at a time
- **Disabled**: Multiple simultaneous signals
- **Recommendation**: Keep enabled to avoid overtrading

Display Settings:

Colors

- **Bullish Color**: Default blue, customize for buy signals
- **Bearish Color**: Default red, customize for sell signals
- **Neutral Color**: Default gray for inactive states
- **Background**: Dark theme optimized for long trading sessions

Dashboard Position

- **X Position**: Horizontal placement (default: 20 pixels)
- **Y Position**: Vertical placement (default: 50 pixels)
- **Font Size**: Adjust for your screen resolution (default: 9)

Chart Visualization

- **Show Range on Chart**: Displays CRT levels on current chart
- **Line Styles**: Different styles for range high/low, entry, SL, TP
- **Labels**: Stage information and signal status

Alert Settings:

Audio Alerts

- **Send Alerts**: Enable/disable sound notifications
- **Triggers**: New signal detection, stage changes
- **Timing**: Prevents spam with smart alert management

Push Notifications

- **Send Notifications**: Mobile notifications (requires MT5 mobile setup)
- **Setup**: Configure in MT5 Tools → Options → Notifications
- **Content**: Symbol, signal type, and entry levels

🎯 BEST PRACTICES

Session Trading:

- **Best Sessions**: London (8:00-17:00 GMT) and New York (13:00-22:00 GMT)
- **Overlap Period**: London/New York overlap (13:00-17:00 GMT) - highest volume
- **Avoid**: Asian session for major pairs (lower volatility)
- **Sunday/Monday**: Wait for markets to establish direction

Signal Selection:

- **Strength Priority**: Focus on 80%+ strength signals
- **Session Confirmation**: Trade signals during active sessions
- **Trend Alignment**: Consider overall market trend direction
- **News Avoidance**: Avoid trading during high-impact news events

Position Management:

- **Single Position**: One trade per signal in single signal mode
- **Correlation Check**: Avoid multiple positions on correlated pairs
- **Account Balance**: Never risk more than 2% per trade
- **Emotional Control**: Follow the system signals without discretion

Technical Considerations:

- **Spread Awareness**: Factor in broker spread for entry/exit
- **Slippage Buffer**: Add small buffer for market orders
- **Platform Stability**: Ensure stable internet and platform connection
- **Backup Plan**: Have manual exit strategy if platform fails

Performance Optimization:

- **Symbol Selection**: Monitor actively traded pairs
- **Timeframe Consistency**: Stick to H4 for best results
- **Regular Review**: Analyze performance weekly
- **System Updates**: Keep MT5 and scanner updated

🔧 TROUBLESHOOTING

Common Issues:

Scanner Not Appearing

- **Check**: Indicator is in correct folder (MQL5/Indicators/)
- **Solution**: Restart MetaTrader 5 completely
- **Verify**: Allow DLL imports in Expert Advisors settings
- **Alternative**: Re-download and reinstall the indicator

No Signals Detected

- **Market Conditions**: May be in trending phase (CRT requires ranges)
- **Timeframe**: Try switching between H1 and H4
- **Symbols**: Verify symbols are correctly spelled and available
- **Patience**: CRT signals are quality over quantity

Dashboard Not Updating

- **Refresh Rate**: Check if refresh is set too high (>30 seconds)
- **CPU Usage**: Close unnecessary applications
- **Internet**: Verify stable internet connection
- **Manual Refresh**: Click the refresh button to force update

Symbols Not Loading

- **Symbol Names**: Verify exact symbol names with your broker
- **Format**: Remove spaces, use exact broker formatting
- **Availability**: Check if symbols are available in Market Watch
- **Permissions**: Ensure you have access to all listed symbols

Alerts Not Working

- **Settings**: Verify alerts are enabled in indicator settings
- **MT5 Settings**: Check Tools → Options → Audio for sound settings
- **Volume**: Ensure system audio is not muted
- **Notifications**: For mobile, configure in MT5 notifications settings

Performance Issues:

High CPU Usage

- **Reduce Refresh Rate**: Increase from 5 to 10-15 seconds
- **Fewer Symbols**: Monitor 5-7 pairs instead of 10
- **Close Charts**: Keep only necessary charts open
- **System Resources**: Close other applications

Slow Response

- **Internet Speed**: Check connection stability
- **Server Distance**: Choose broker server closest to you
- **Platform Updates**: Ensure MT5 is latest version
- **Computer Performance**: Consider hardware upgrade if consistently slow

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❓ FREQUENTLY ASKED QUESTIONS

General Questions:

Q: What is the minimum account size for using this scanner? A: The scanner works with any account size. However, for proper risk management (1-2% risk per trade), we recommend at least $1,000 to allow for meaningful position sizes.

Q: How many trades can I expect per day/week? A: CRT focuses on quality over quantity. Expect 1-3 high-quality signals per week across all monitored pairs. During ranging markets, you may see more signals.

Q: Can I use this on other instruments besides forex? A: The scanner is optimized for forex pairs. While it may work on indices or commodities, the settings and logic are specifically tuned for currency pairs.

Q: Do I need to keep MT5 running 24/7? A: No, but you'll only receive signals when the platform is running. The scanner will catch up on patterns when you restart, but you may miss some time-sensitive signals.

Technical Questions:

Q: Why do I see "Signal Queued" instead of "Execute"? A: In single signal mode, only the strongest signal shows "Execute." Other valid signals show "Queued" and will become active when the current signal completes.

Q: How accurate is the signal strength percentage? A: The strength calculation considers range quality, session timing, bars in range, and current price position. 80%+ signals have historically shown the best performance.

Q: Can I modify the risk:reward ratio? A: Yes, in the indicator settings. However, 1:2 (default) provides the best balance between achievable targets and profitable trades.

Q: What happens if price gaps over my entry level? A: The scanner will update entry levels if price moves significantly. You can enter at market price if the signal strength remains high and you're comfortable with the adjusted risk.

Trading Questions:

Q: Should I always wait for the exact entry price? A: Not necessarily. If signal strength is 80%+ and you're in an active session, market entry is often acceptable. Use your discretion based on market conditions.

Q: What if the signal disappears while I'm preparing to trade? A: Signals can expire if market conditions change rapidly. If a signal disappears, do not trade it. Wait for the next valid signal.

Q: Can I trade multiple signals simultaneously? A: With single signal mode disabled, yes. However, check for correlation between pairs to avoid over-exposure to similar market movements.

Q: How do I know if a trade is going well? A: Monitor price action relative to CRT levels. If price respects the range structure and moves toward your TP, the trade is developing as expected.

Strategy Questions:

Q: Should I always take full profit at the TP level? A: Consider taking partial profits at 1:1 risk-reward and letting the remainder run to full TP. This balances securing profits with maximizing winners.

Q: What if price returns to the range after my entry? A: This is normal CRT behavior. As long as your SL isn't hit and the range structure remains intact, hold the position.

Q: How do I handle weekend gaps? A: Monitor gaps that occur over weekends. Large gaps may invalidate CRT structures. Use discretion and consider closing positions if the setup is compromised.

Q: Should I trade during news events? A: Avoid trading CRT signals during high-impact news events. News can cause erratic price movement that disrupts normal CRT behavior.

📞 SUPPORT & CONTACT

HeliosTechnologies Support:

- **Email**: heliosapollo23@gmail.com
- **Product**: CRT Pro Scanner v1.00
- **Documentation**: This user guide
- **Updates**: Check with vendor for latest versions

When Contacting Support:

1. Include your MT5 build number
2. Describe the specific issue
3. Attach screenshots if relevant
4. Mention your broker and account type
5. Include your indicator settings

📄 DISCLAIMER

Risk Warning: Trading forex involves substantial risk and may not be suitable for all investors. Past performance does not guarantee future results. The CRT Pro Scanner is a technical analysis tool and should not be considered as investment advice. Always perform your own analysis and consider your risk tolerance before trading.

No Guarantee: While the CRT methodology has historical merit, no trading system guarantees profits. Market conditions can change, and unexpected events can impact performance.

Educational Purpose: This scanner is designed for educational and analytical purposes. Users are responsible for their own trading decisions and risk management.

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